



COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010568
CERTIFICATION DATE: November 5, 2013
DATE RECERTIFICATION DUE: May 4, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.



Melissa Kennedy

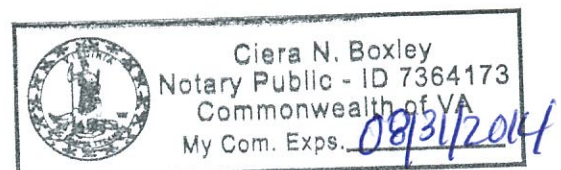
Program Manager, Calibration & Training

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 19th day of
November 2013 by Melissa Kennedy


Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014
TLN



Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 11/8/2013

HMS
NSK

Instrument Serial Number: 010568	As of 08-Nov-13
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Maintenance Date	Certification Date	Technician Initials	Remarks
05-Nov-13	05-Nov-13	HMS (18910)	CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD.
11-Oct-13	11-Oct-13	MMB (26417)	REPLACED PRINTER. CALIBRATED AND CERTIFIED.
30-Aug-13	30-Aug-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD.
23-May-13	23-May-13	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
29-Apr-13	29-Apr-13	HMS (18910)	CERTIFIED
15-Mar-13	15-Mar-13	DBH (21250)	REPLACED AND TESTED FUEL CELL MODULE, CALIBRATED AND CERTIFIED.
14-Mar-13	14-Mar-13	DBH (21250)	ADJUSTED AND TESTED SET SOLENOID, CERTIFIED
30-Jan-13	20-Sep-12	DBH (21250)	REPLACED DRY GAS STANDARD.
18-Dec-12	20-Sep-12	TLN (25387)	REPLACED DRY GAS STANDARD.
20-Sep-12	20-Sep-12	SED (24178)	CERTIFIED. REPLACED DRY GAS STANDARD.
19-Apr-12	04-Apr-12	HMS (18910)	REPLACED DRY GAS STANDARD.
04-Apr-12	04-Apr-12	DBH (21250)	CERTIFIED.
21-Feb-12	21-Nov-11	DBH (21250)	REPLACED PRINTER RIBBON. REPLACED DRY GAS STANDARD.
21-Nov-11	21-Nov-11	HMS (18910)	CERTIFIED
19-Oct-11	19-Oct-11	DBH (21250)	CERTIFIED
07-Sep-11	07-Sep-11	HMS (18910)	CERTIFIED
24-Feb-10	24-Feb-10	DBH (21250)	CALIBRATED AND CERTIFIED.
24-Nov-09	27-Aug-09	DBH (21250)	REPLACED DRY GAS STANDARD
27-Aug-09	27-Aug-09	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED.
16-Apr-09	16-Apr-09	DBH (21250)	CALIBRATED AND CERTIFIED.
14-Apr-09	14-Apr-09	NMJ (22392)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
17-Feb-09	17-Feb-09	HMS (18910)	CALIBRATED, CERTIFIED AND ACCEPTED.

HMS
NLS

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010568 Worksheet Start Date 11/5/2013

Location Prince William County Garfield

Address 15948 Donald Curtis Dr., Woodbridge, VA 22191

DFS Technician Heather Stanton License No. 18910

☐ Laboratory ☒ On-Site

Site Specifications

	Yes	No
1 Secured Environment: Location must not be accessible to the general public.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2 Environment free from contaminants	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3 Dedicated telephone line: The phone line should be used solely by the instrument.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4 Adequate Ventilation: Enough space must be provided for the instrument and the printer to allow for adequate ventilation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5 Stable temperature controls: The instrument should not be exposed to direct sources of temperature variation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 115VAC power source: Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7 Room Condition: The site should be free of excessive moisture, heat and dust.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

E-Seek	Old serial no.	New serial no.	Supplies
Keyboard			Mouthpieces
Printer			Certificates of Analysis
UPS			Operator Worksheet
			Other:

Maintenance (if any)

Comments (if any)

Instrument Serial Number 010568

Certification Date 11/5/2013

Instrument Barometer (mm HG) 772

Reference Barometer (mm HG) 774

Reference Barometer(RB)Serial # 009113

RB Calibration Due 5/8/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.250	0.254	0.246	0.261	Sample 2	0.251
Precision		sample min	sample max	Sample 3	0.251
0.001		0.251	0.252		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.150	0.152	0.147	0.156	Sample 2	0.152
Precision		sample min	sample max	Sample 3	0.152
0.001		0.151	0.152		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.080	0.081	0.078	0.084	Sample 2	0.081
Precision		sample min	sample max	Sample 3	0.081
0		0.081	0.081		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.020	0.020	0.017	0.023	Sample 2	0.020
Precision		sample min	sample max	Sample 3	0.020
0		0.020	0.020		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG320502-11

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	
0.100	0.102	0.098	0.105	Sample 2	0.103
Precision		sample min	sample max	Sample 3	0.103
0		0.103	0.103		

DFS Technician

Heath M. Stark

Date

11/8/13

Issuing Analyst

Melissa Kennedy

Date

11/19/13

Intox EC/IR II QA Worksheet

Issued by Calibration and Training Program Manager

Issue Date: 4-March-2013

TLN

DFS Document 250-F113

Revision 6

Page 2 of 2

HMS

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010568 Test Number: 2018
Test Date: 11/05/2013 Test Time: 13:14 EST

Technician Initials: HMS
Dry Gas Target: 0.254

Lot Number: 2961225012-08 Exp Date: 11/01/2014
Tank Pressure: 419 psi Barometric Pressure: 772 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:14
BLK	0.000	13:15
CHK	0.251	13:16
BLK	0.000	13:17
CHK	0.249	13:18
BLK	0.000	13:19
CHK	0.247	13:20

Out of tolerance

Standard Value (at sea level): 0.250 g/210L

Certification Status: Failure

HMS
4/12/13

HMS

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010568 Test Number: 2019
Test Date: 11/05/2013 Test Time: 13:21 EST

Technician Initials: HMS

Dry Gas Target: 0.254

Lot Number: 2961225012-08 Exp Date: 11/01/2014

Tank Pressure: 409 psi Barometric Pressure: 772 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:22
BLK	0.000	13:22
CHK	0.246	13:23
BLK	0.000	13:24
CHK	0.245	13:25

Out of tolerance

Standard Value (at sea level): 0.250 g/210L

Certification Status: Failure

msk
11/12/13

Ans

WDL

Intox EC/IR-II: Calibration

Department of Forensic Science

Serial Number: 010568 Test Number: 2020

Test Date: 11/05/2013 Test Time: 13:32 EST

Dry Gas Target: 0.102

Lot Number: 0651210013-06 Exp Date: 04/01/2014

Tank Pressure: 610 psi Barometric Pressure: 772 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:33
CAL	0.102	13:34

Test Status: *Success*

Calibration CRC: 32C242BD

HMS
NSL

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010568 Test Number: 2021
Test Date: 11/05/2013 Test Time: 13:36 EST

Technician Initials: HMS

Dry Gas Target: 0.254

Lot Number: 2961225012-08 Exp Date: 11/01/2014
Tank Pressure: 404 psi Barometric Pressure: 772 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:37
BLK	0.000	13:38
CHK	0.252	13:39
BLK	0.000	13:40
CHK	0.251	13:41
BLK	0.000	13:43
CHK	0.251	13:44
BLK	0.000	13:45

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

HMS
Nest

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010568 Test Number: 2022
Test Date: 11/05/2013 Test Time: 13:48 EST

Technician Initials: HMS

Dry Gas Target: 0.152

Lot Number: 2951215012-02 Exp Date: 11/01/2014

Tank Pressure: 1002 psi Barometric Pressure: 772 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:49
BLK	0.000	13:50
CHK	0.151	13:50
BLK	0.000	13:52
CHK	0.152	13:53
BLK	0.000	13:54
CHK	0.152	13:55
BLK	0.000	13:57

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

AMS

MSK

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010568 Test Number: 2023
Test Date: 11/05/2013 Test Time: 13:59 EST

Technician Initials: HMS

Dry Gas Target: 0.081

Lot Number: 0771308012-04 Exp Date: 05/01/2015
Tank Pressure: 982 psi Barometric Pressure: 772 mmHg
System Check: Passed

Test	g/210L	Time
DIAG	PASS	13:59
BLK	0.000	14:00
CHK	0.081	14:01
BLK	0.000	14:02
CHK	0.081	14:03
BLK	0.000	14:04
CHK	0.081	14:05
BLK	0.000	14:07

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

HMS

pull

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010568 Test Number: 2024
Test Date: 11/05/2013 Test Time: 14:09 EST

Technician Initials: HMS

Dry Gas Target: 0.020

Lot Number: 0651202011-03 Exp Date: 04/01/2014

Tank Pressure: 90 psi Barometric Pressure: 772 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:09
BLK	0.000	14:10
CHK	0.020	14:11
BLK	0.000	14:12
CHK	0.020	14:13
BLK	0.000	14:14
CHK	0.020	14:15
BLK	0.000	14:16

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

AMS

Wsk

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010568 Test Number: 2025

Test Date: 11/05/2013 Test Time: 14:19 EST

Dry Gas Target: 0.305

Lot Number: AG322702-01 Exp Date: 08/15/2015

Tank Pressure: 321 psi Barometric Pressure: 772 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	14:20
CHK	0.308	14:21
BLK	0.000	14:22
CHK	0.308	14:24
BLK	0.000	14:25
CHK	0.308	14:26

Test Status: Success

Calibration CRC: 32C242BD

HMS
11/19/13
MEL

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010568 Test Number: 2026

Test Date: 11/05/2013 Test Time: 14:29 EST

Dry Gas Target: 0.102

Lot Number: AG320502-11 Exp Date: 07/24/2015

Tank Pressure: 1120 psi Barometric Pressure: 772 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:30
CHK	0.103	14:31
BLK	0.000	14:33
CHK	0.103	14:33
BLK	0.000	14:35
CHK	0.103	14:36

Test Status: *Success*

Calibration CRC: 32C242BD




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

AMS
NSK

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 11/05/2013
TEST EQUIPMENT NUMBER 010568		

RESULTS: TIME SAMPLE TAKEN 14:43 EST

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 07 Nov 2013 at 15:40

Handwritten signatures and initials.

Test Results

Instrument Serial Number 010568

Test # 002027 Subject Test

Test Location 1 Department of
Test Date 05 Nov 2013

Test Location 2 Forensic Science
Test Time 14:37
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab
Card Serial Number 118910
Subject's Last Name INSTRUMENT
Subject's Middle Initial
Driver's License Number

Operator's First Name HEATHER
Operator's Middle Initial M
License Number 18910

Effective Date 10/01/2012 Expiration Date 10/01/2014

Subject's First Name TEST

Subject's Date of Birth 00/00/0000 Subject's Sex Male

Driver's License Expiration 00/00/0000

Court Name DFS

End Date 05 Nov 2013 End Time 14:45

Result Time 14:43

Result Date 05 Nov 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 14:37

Data Type BLK

Sample Value 0.000

Sample Time 14:38

Data Type CHK

Sample Value 0.102

Sample Time 14:39

Data Type BLK

Sample Value 0.000

Sample Time 14:40

Data Type SUBJ

Sample Value 0.000

Sample Time 14:41

Data Type BLK

Sample Value 0.000

Sample Time 14:42

Data Type SUBJ

Sample Value 0.000

Sample Time 14:43

Data Type BLK

Sample Value 0.000

Sample Time 14:44

Standard Type Dry Gas Std

Standard Value 0.102

Standard Lot Number AG320502-11

Standard Expiration Date 07/24/2015

Tank Pressure 1120

Barometric Pressure 772 mmHg

Blow Sample Number 1 Blow Duration 3.21 sec

Blow Volume 1775 cc End-of-Blow Time 14:41

Blow Sample Number 2 Blow Duration 3.31 sec

Blow Volume 1779 cc End-of-Blow Time 14:43

Tamper Evident Stamp c42cddd5

Test Status Code 0

Test Status Success